

If m has zero in the denominator it is ~~undefined~~

Take out your Math Dictionary and look up: Slope-Intercept Form $\rightarrow y = mx + b$

If m is zero the line is horizontal

~~directions~~ What do you know about it?

$$m = \frac{\text{Rise}}{\text{Run}}$$

Slope

y-intercept

How do we use it?

Starting point

b - where the line crosses the y-axis

If m is pos \rightarrow

If m is neg

Identify m & b. Graph the line.

1) $y = 6$

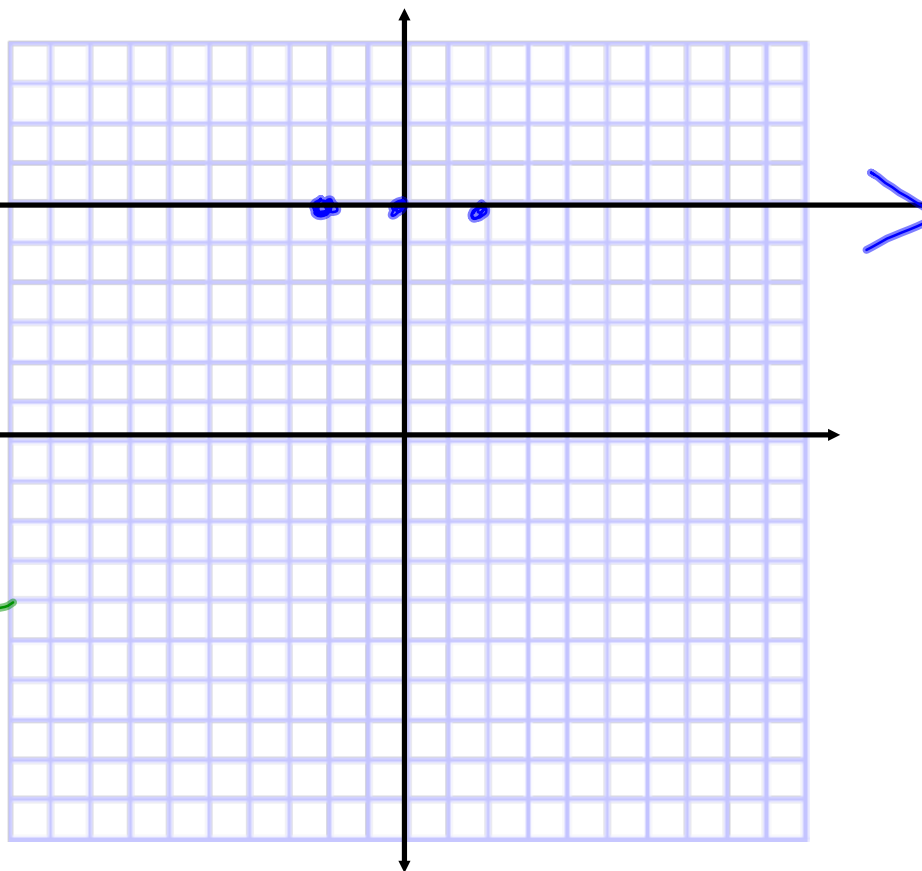
m =

0

b =

6

X	Y
-2	6
0	6
2	6



Identify m & b. Graph the line.

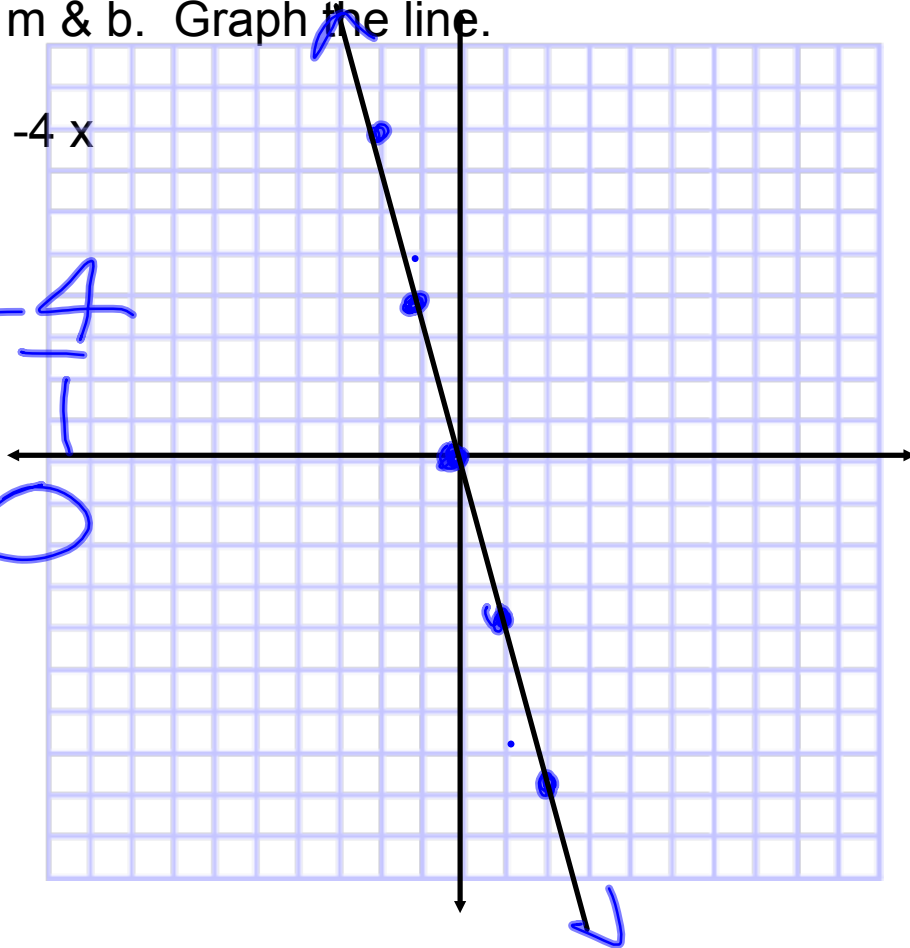
2) $y = -4x$

m =

-4

b =

0

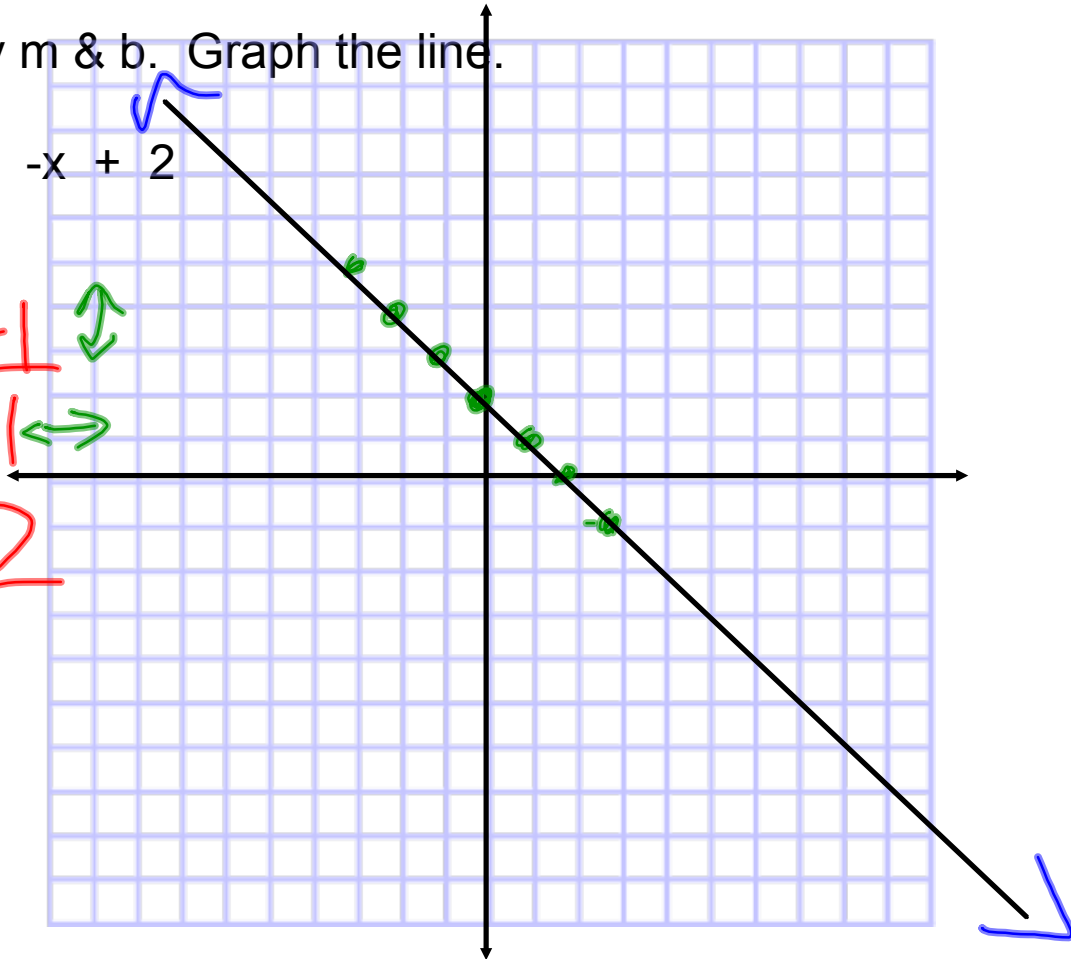


Identify m & b. Graph the line.

1) $y = -x + 2$

$m = -1$

$b = 2$

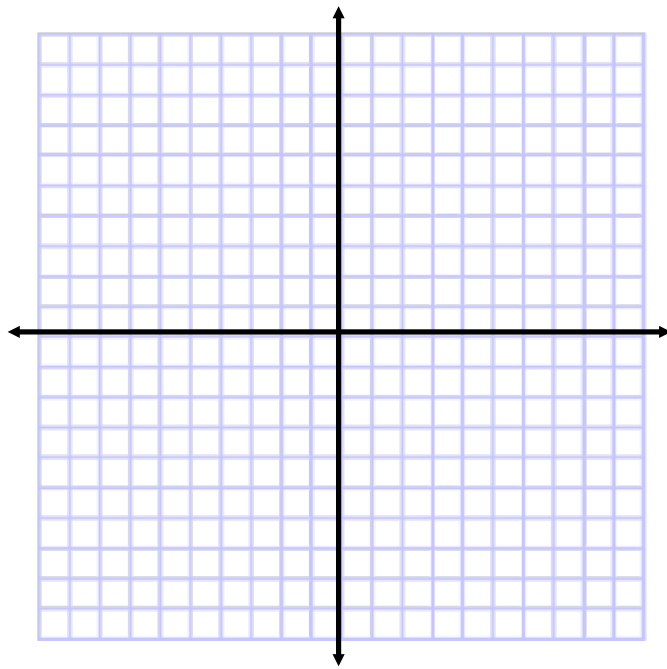


Identify m & b . Graph the line.

4) $x = 3$

$m =$

$b =$



Homework